

FIG. 1

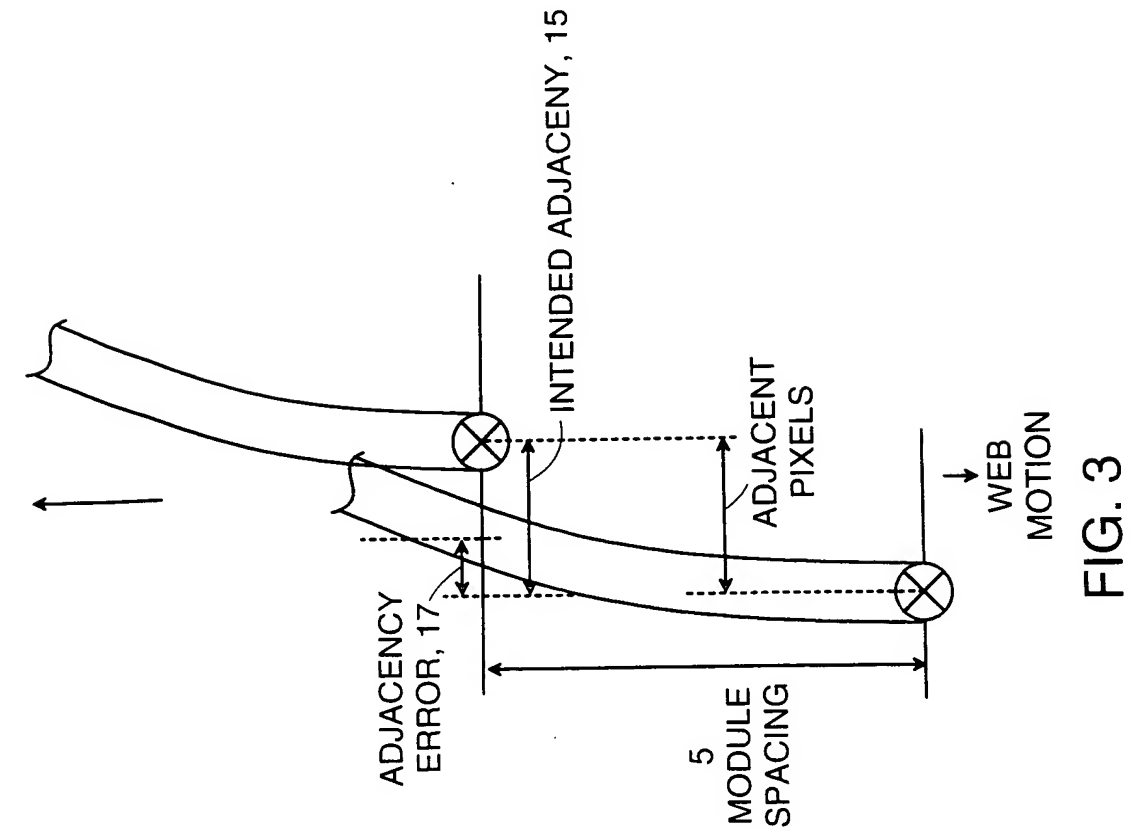


FIG. 2

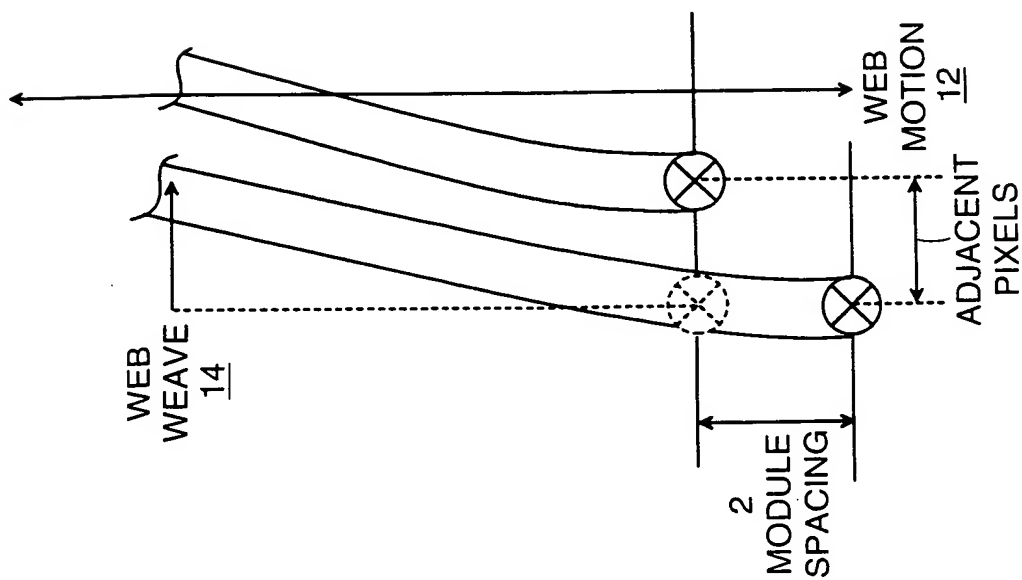


FIG. 3

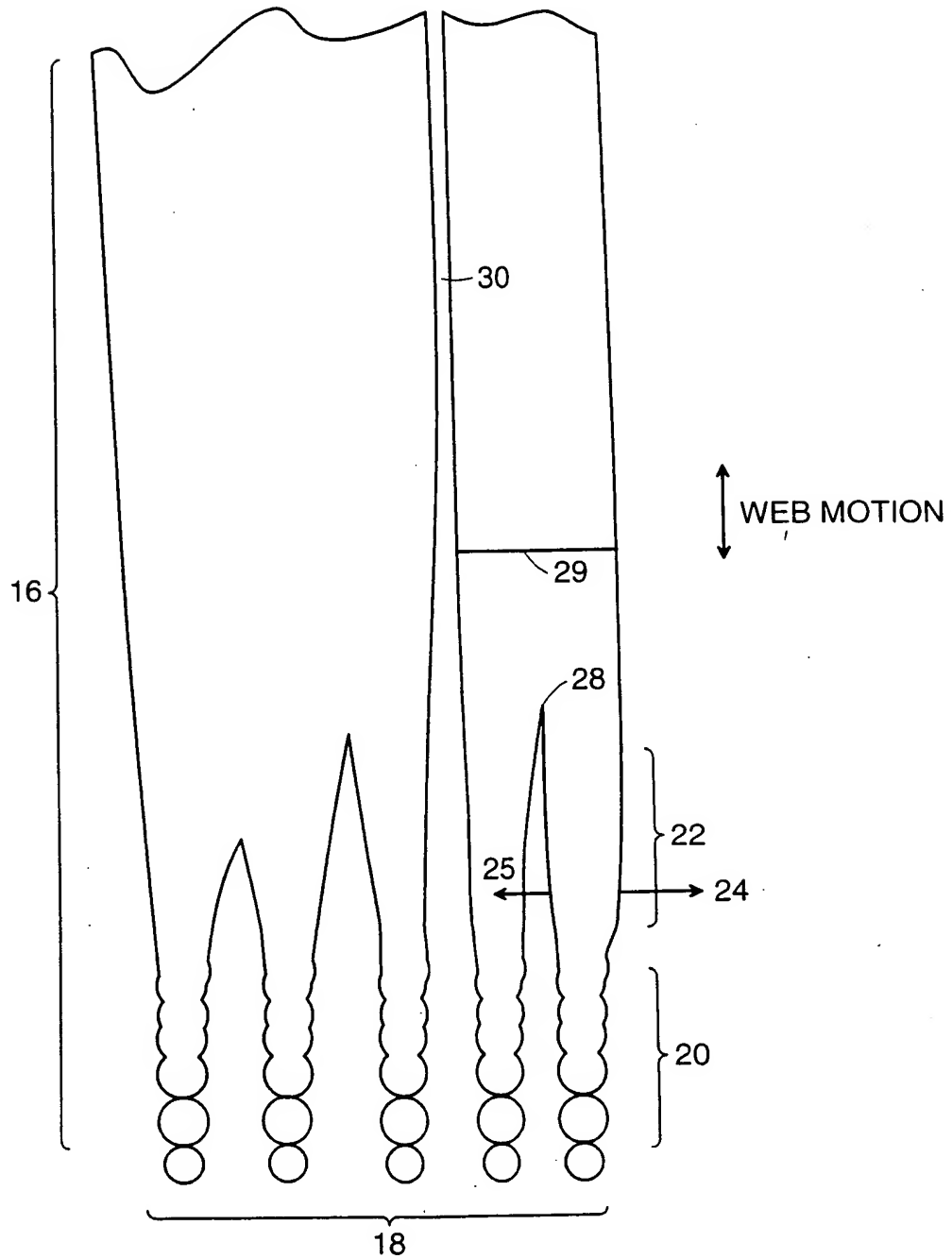


FIG. 4

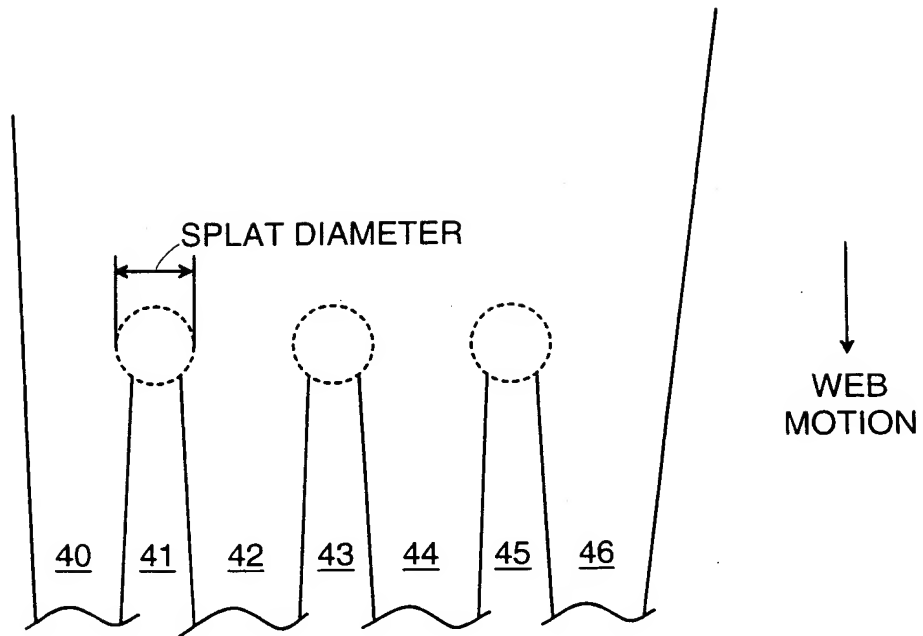


FIG. 5

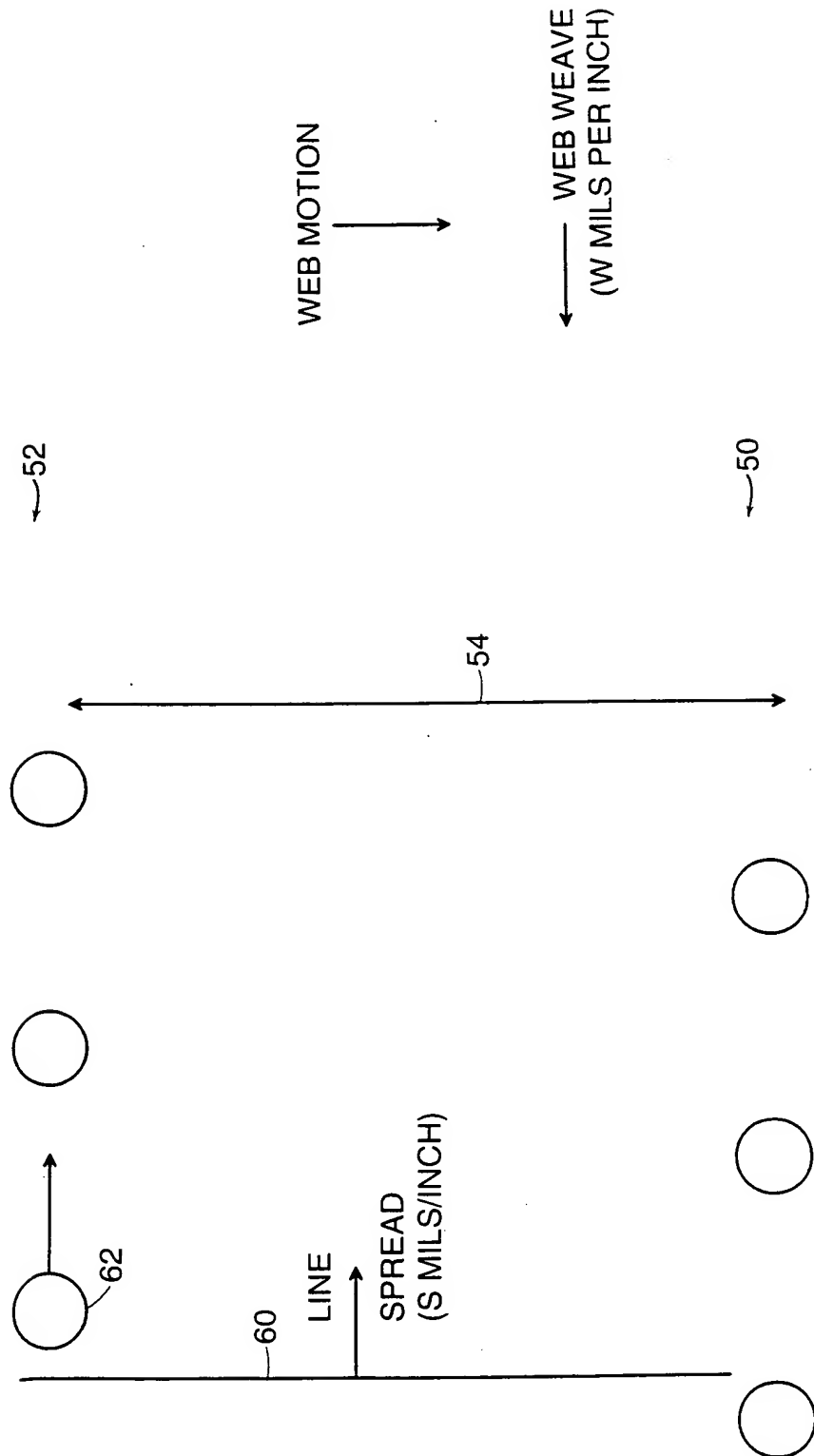
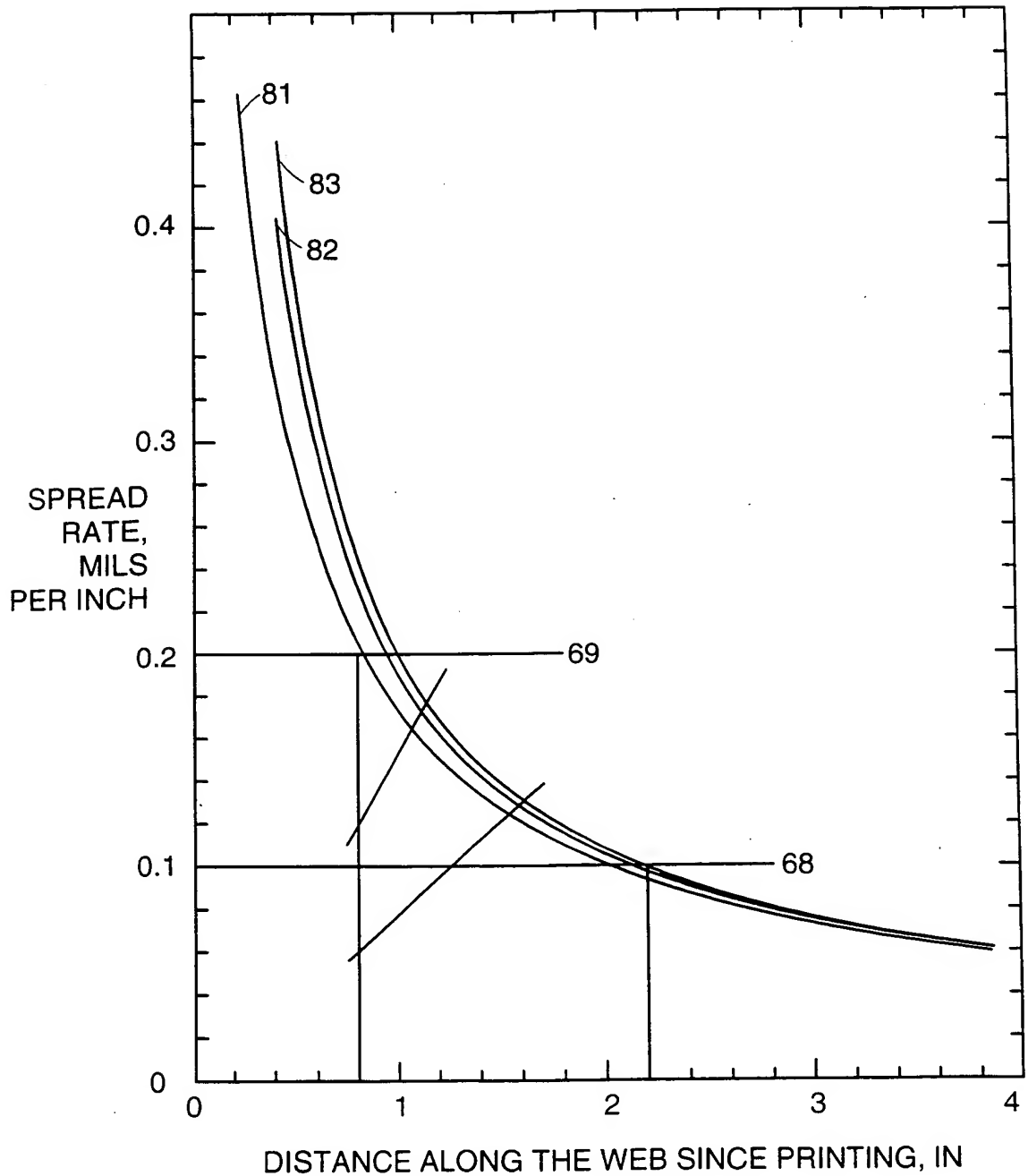


FIG. 6



SPREAD RATE OF ONE SIDE OF A LINE FOR DIFFERENT SPLAT SIZES  
FREQUENCY = 12.0 kHz VISCOSITY = 15.0 cp  
SURFACE TENSION = 29.0 dynes/cm. DROP VOLUME = 15.0 pl

FIG. 7

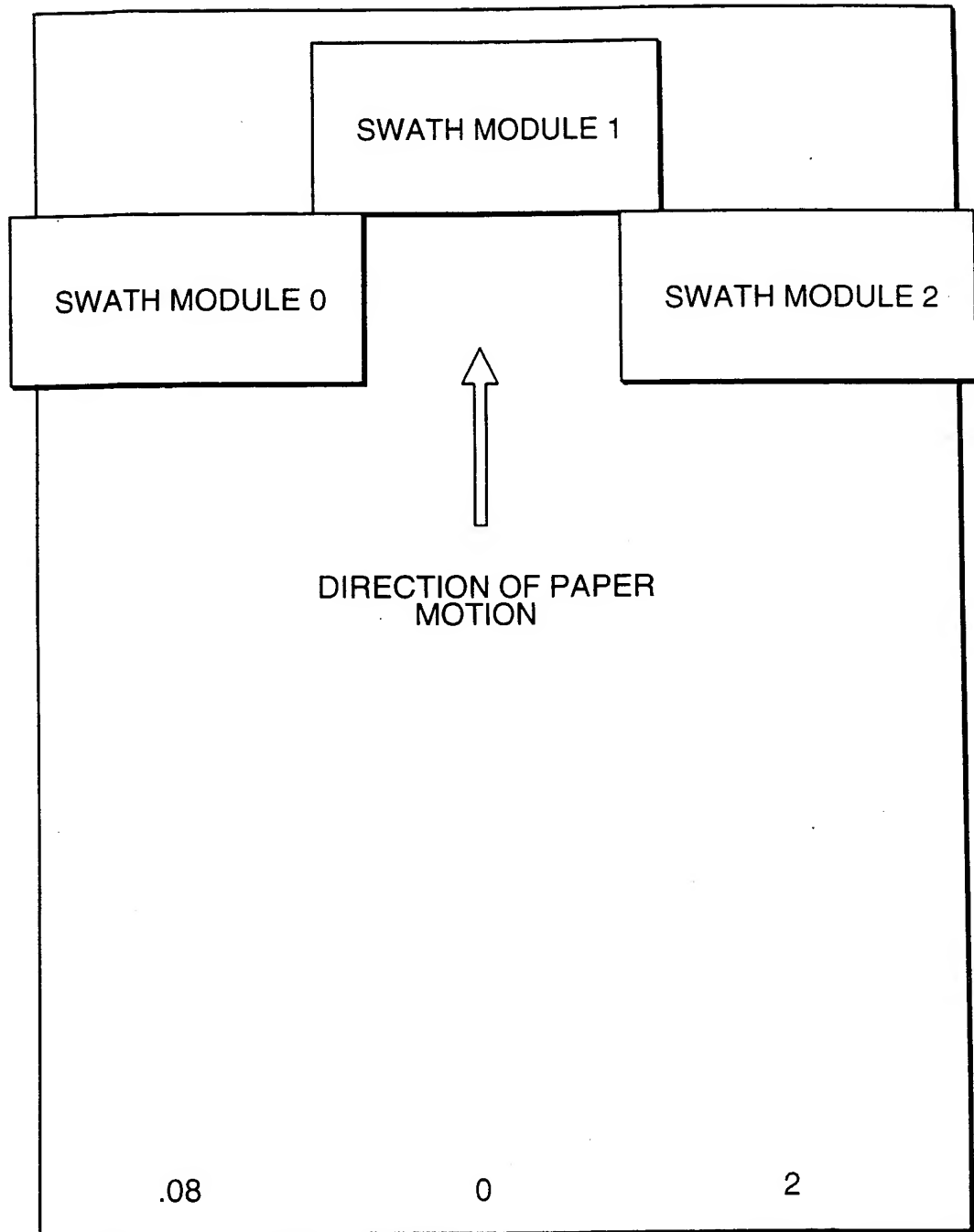


FIG. 8

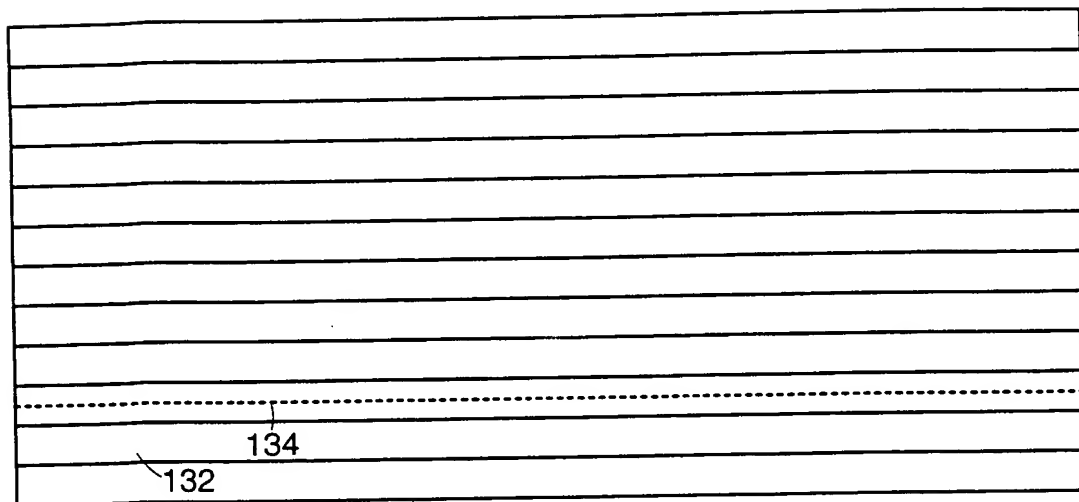


FIG. 9

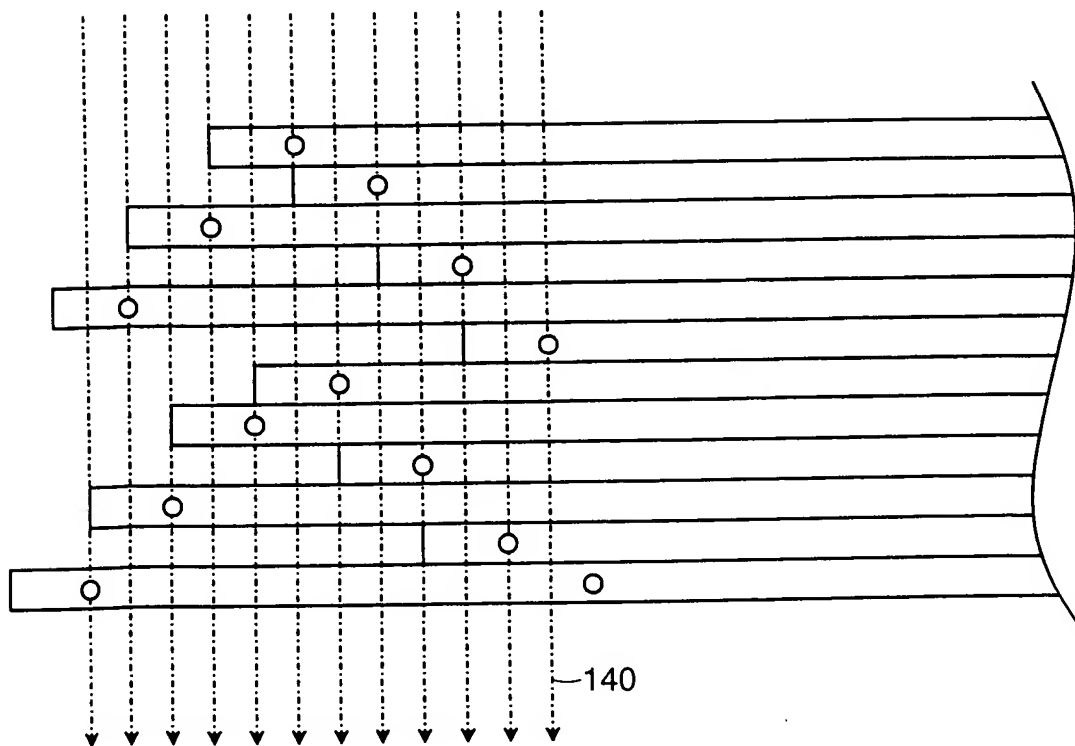


FIG. 10



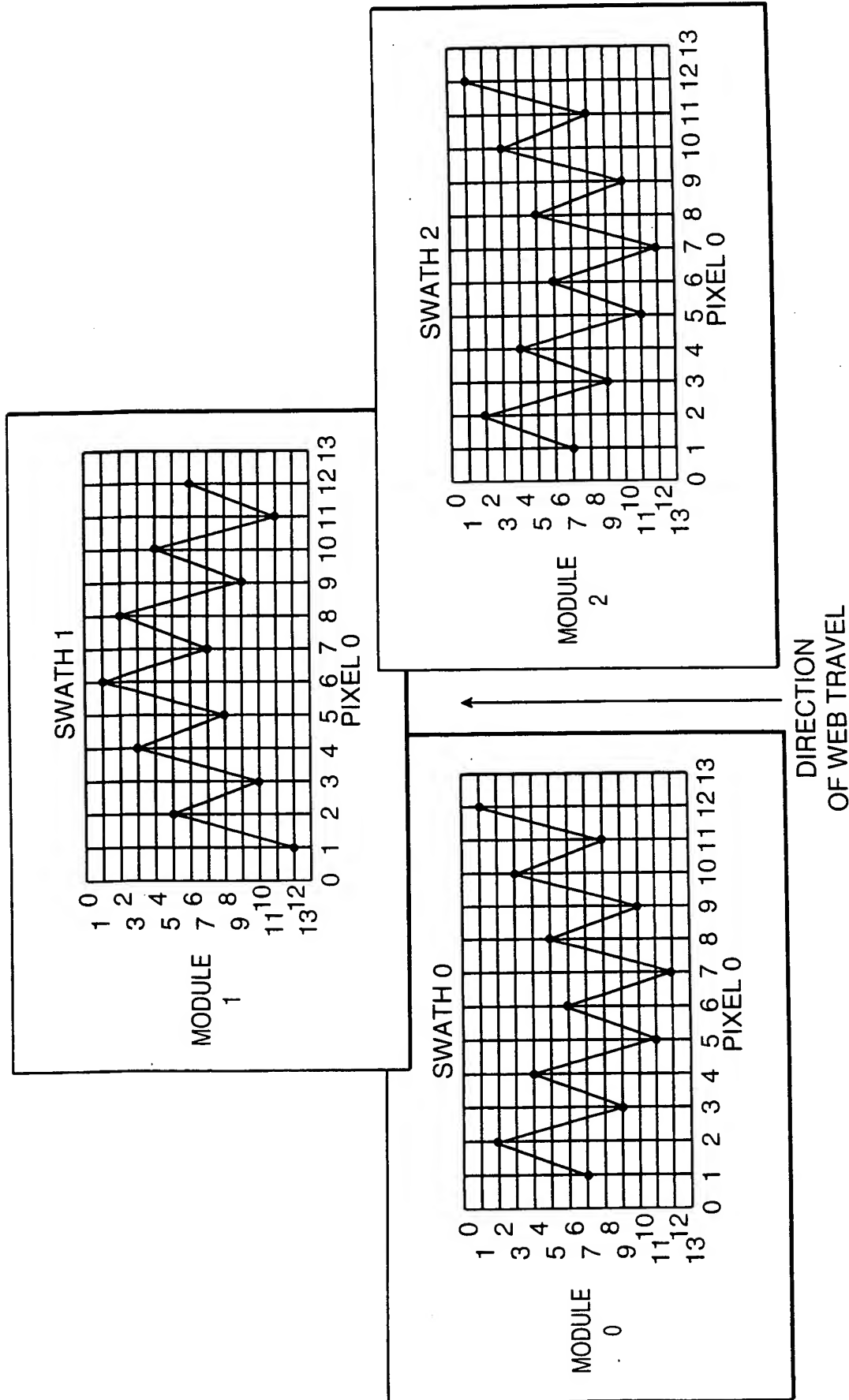
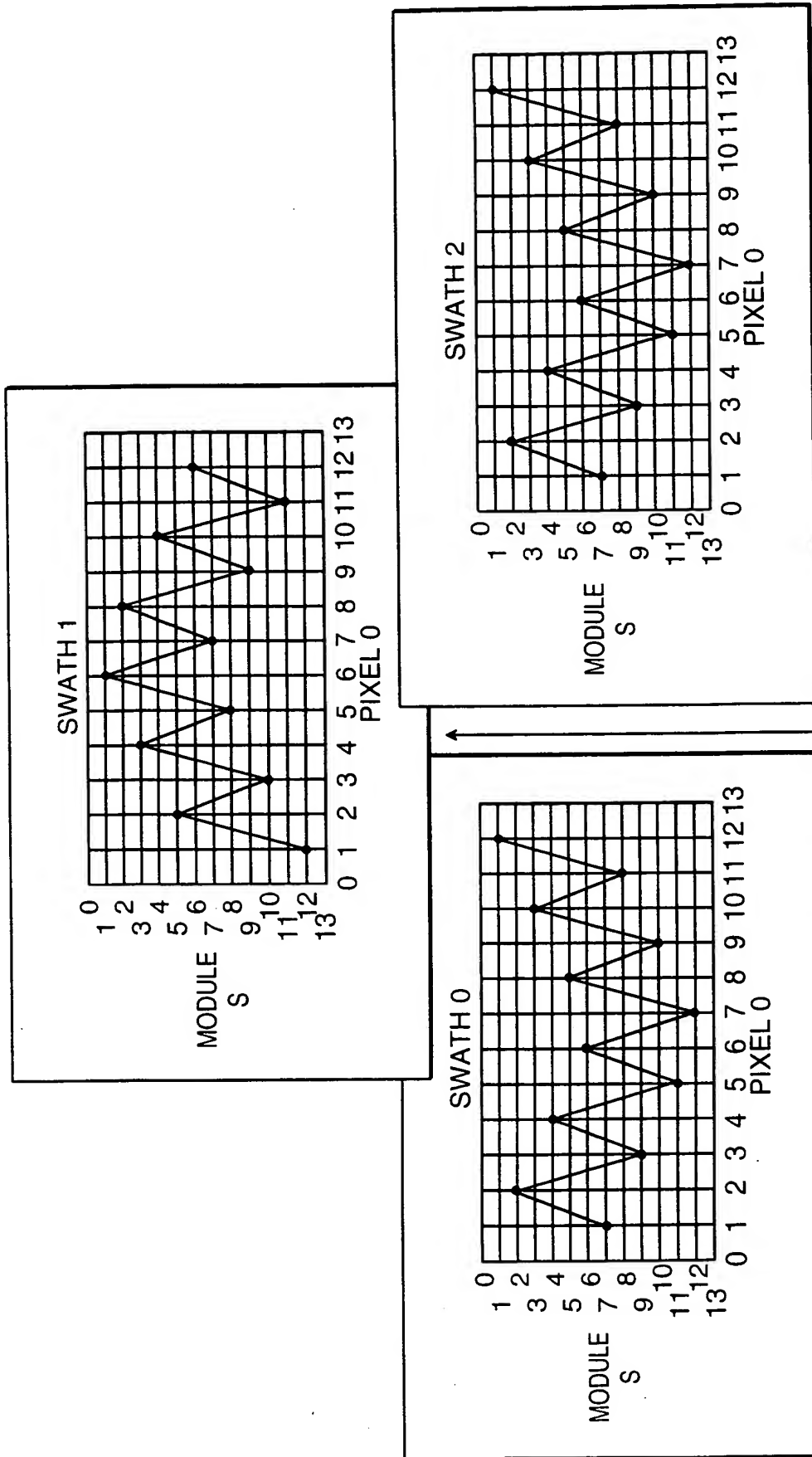


FIG. 11

SWATH 0 (A-SWATH)				
PIXEL	MODULE #	X LOCATION	Y LOCATION	
1	7	0.0000	0.0000	
2	2	0.0017	1.4000	
3	9	0.0033	-0.4000	
4	4	0.0050	0.8000	
5	11	0.0067	-1.0000	
6	6	0.0083	0.4000	
7	12	0.0100	-1.2000	
8	5	0.0117	0.6000	
9	10	0.0133	-0.8000	
10	3	0.0150	1.2000	
11	8	0.0167	-0.2000	
12	2	0.0183	1.6000	
13	7	0.0200	0.0000	REPEAT OF PATTERN
14	2	0.0217	1.4000	REPEAT OF PATTERN
.	.	.	.	.
.	.	.	.	.
1535	8	2.5567	-0.2000	END OF SWATH 0
1536	1	2.5583	1.8000	END OF SWATH 0
1537	12	2.5600	2.5890	BEGINNING OF SWATH 1
1538	5	2.5617	4.3890	BEGINNING OF SWATH 1
.	.	.	.	.
.	.	.	.	.
3071	11	5.1167	2.7890	END OF SWATH 1
3072	6	5.1183	4.1890	END OF SWATH 1
3073	7	5.1200	0.0000	BEGINNING OF SWATH 2
3074	2	5.1217	1.4000	BEGINNING OF SWATH 2
.	.	.	.	.
.	.	.	.	.
4607	8	7.6767	-0.2000	END OF SWATH 2
4608	1	7.6783	1.6000	END OF SWATH 2

FIG. 12



DIRECTION  
OF WEB TRAVEL

FIG. 13

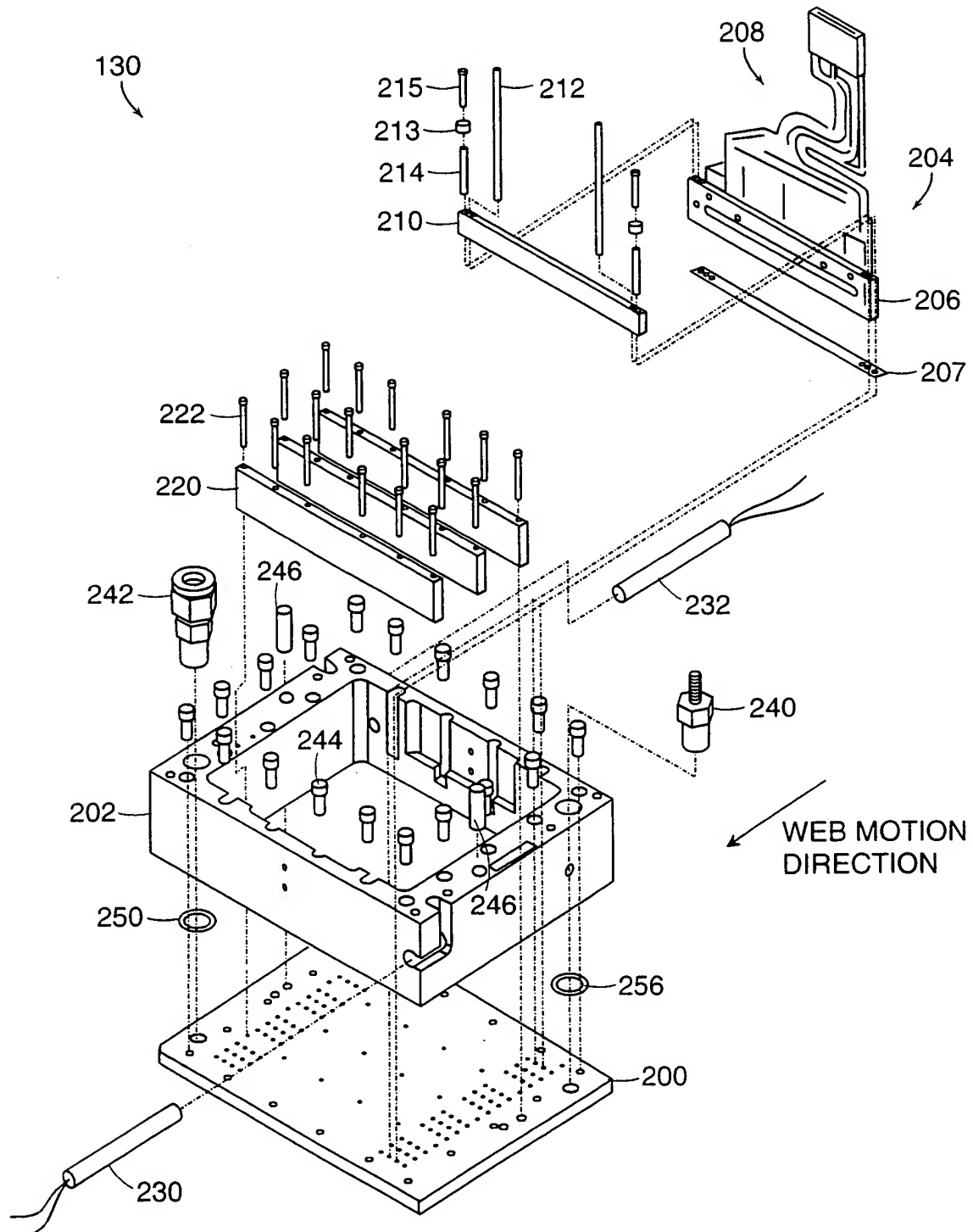


FIG. 14